

UOTUS.

Theoretical products of the carbonization and desulfurization of sodium sulfide and sodium carbonate-containing liquors. V. Kubelka and L. Hoinos. *Bull. Vysokomol. sov. priemyslu celuloz* 1, No. 1, 35 pp. (1958) (in German).
The reaction between Na₂S and gaseous CO₂, or the so-called carbonization, has as a function to drive off H₂S from the liquor and proceeds in several stages. During the reaction, which controls the rate of carbonization, CO₂ dissolves and is hydrated. The expts. show that H₂S is driven off earlier from the liquor at a higher pH than theoretically expected. The conditions affecting the rate of carbonization, i.e. the temp., pressure, concn. of gases and liquor, mech. dispersion of the liquor, etc. were investigated. Based on the theory of the reaction, optimum conditions for a proposed system of carbonization have been detd. The chemistry of driving off H₂S under vacuum is explained and the selection of a vacuum process allowing for a high H₂S content in the waste gases is confirmed. The carbonization rate of the liquor contg. Na₂CO₃ and Na₂S under varying conditions is detd. and a method for calcg. the size and capacity of the absorption app. is given. The absorption of CO₂ in liquors contg. Na₂CO₃ and NaHS proceeds with practically the same speed as for liquors contg. Na₂CO₃ and the same conditions can be used as for the system contg. Na₂CO₃ and CO₂. The course of driving off H₂S from the liquor under vacuum is explained and the effect of conditions, such as temp., pressure, and concn. and compn. of the liquor is set forth. A temp. of 60-60° and a corresponding vacuum was found the most satisfactory. T. R. Z.

Hojnos, J.

H.

CZECHOSLOVAKIA/Cellulose and Its Production. Paper.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 66228

Author : Kubelka, V., Hojnos, J.

Inst : -
Title : Carbonization of Solutions of Sodium Sulfide and Sodium Carbonate.

Orig Pub : Chem. zvesti, 1958, 12, No 1, 48-53.

Abstract : The carbonization of a solution of $\text{Na}_2\text{S} + \text{Na}_2\text{CO}_3$ with gaseous CO_2 under different concentration and temperature have been investigated. The formation of H_2S can be achieved even during a relatively higher pH owing to the disturbance of the equilibrium of the hydrolytic decomposition: $\text{NaHS} + \text{H}_2\text{O} = \text{NaOH} + \text{H}_2\text{S}$ with the desorption of H_2S , which depends on the rate of reaction of the carbonization. The rate of formation of H_2S increases with the increase of the temperature and does not much depend on the concentration of CO_2 .

Card 1/2

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APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618110008-6

CZECHOSLOVAKIA/Cellulose and Its Production. Paper.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 66228

The ratio $\text{Na}_2\text{CO}_3 : \text{NaHCO}_3$ in the carbonized solution is found to be in direct dependence on the concentration of CO_2 and the temperature of the solution, and to depend least on the concentration of the latter.

Card 2/2

CZECHOSLOVAKIA/Chemical Technology. Chemical
Products and Their Applications.
Cellulose and Its Derivatives.
Paper.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21811

Author : Fellegi, Jan; Kubelka, Vaclav; Janci, Jan;
Hojnos, Jan

Inst Title : New Data on the Production of Polycellu-
lose in Czechoslovakia.

Orig Pub : Papir a celulosa, 1958, 13, No 8, 171-173

Abstract : A review of the activities of the Scientific-
Research Cellulose Institute regarding boi-
ling polycellulose and regeneration of che-
mical reagents from waste alkalis in the

Card : 1/2

H-148

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

KUBELKA MLADST, Vaclav, dr., inz.; HOJNOS, Jan, inz.

Comparison of physical and chemical properties of spent
liquor from various pulp making processes. Sbor cel pap
6:209-225 '61

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

SCHMIED, Josef, inz., CSc.; HOJNOS, Jan, inz.

Spontaneous oxidation of sodium sulfite by the air. Papir
a celulosa 19 no. 1:5-8 Ja '64.

1. Vyskumny ustav papieru a celulozy, Bratislava.

HOJNOS, Jan, inz.

Possibilities of using firewood for pulping. Papir a
celulosa 19 no. 3: 63-66 Mr '64.

1. Research Institute of Paper and Cellulose, Bratislava.

HALA, K.; HOJNY, J.

A new blood factor of the L system of pigs. Folia biol. (Praha)
9 no.4:275-280 '63.

1. Laboratory of Animal Physiology and Genetics, Czechoslovak
Academy of Sciences, Libechov near Melnik.
(BLOOD GROUPS) (ERYTHROCYTES)
(ANTIGEN-ANTIBODY REACTIONS)

CZECHOSLOVAKIA

PODANY, J.; HOJNY, J.; LINHART, J.; Research Institute of Veterinary Medicine (VUVL), Brno; LFGZ Abbreviation not explained, Libechov.

"Study of the Optimum Conception Period of Sows by Using the Immunobiological Method of Proving Paternity."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp 387 - 388

Abstract: Experiments were conducted on sows of the BU breed and on boars of the BU, Cornwall, and Landrace breeds. It was determined that best results are obtained with insemination between 10 and 26 hours from the time the sow shows the immobility reflex. No references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 10 Dec 65.

1/1

HALA, K.; HOJNY, J.

Blood groups of the N system in pigs. Folia biol. (Praha)
10 no. 3:239-244 '64.

1. Laboratory of Physiology and Genetics of Animals,
Czechoslovak Academy of Sciences, Libechov(for Hojny) 2.
Institute of experimental biology and Genetics, Czechoslovak
Academy of Sciences, Prague (for Hala).

Veterinary Medicine

CZECHOSLOVAKIA

HOJOVCOVA, M.; PRAVDA, D.; College of Agriculture, Veterinary Faculty, 2nd Internal Clinic (VSZ, Veterinarni Fakulta, II. Interna Klinika), Brno; College of Agriculture, Faculty of Agronomy, Department of Veterinary Sciences (VSZ, Agronomicka Fakulta, Katedra Veterinarnich Disciplin), Brno.

"Study of Blood Proteins and of the Red Blood Component in Under-nourished Cattle in the Course of Pregnancy and Shortly After Parturition."

Prague, Veterinarni Medicina, Vol 13, No 2, Feb 67, pp 93 - 99

Abstract /Authors' English summary modified/ 7: In 23 pregnant and 7 control cows' blood proteins, hemoglobin content, amount of red blood corpuscles and body weight were investigated from the 6th month of gravidity to 1 month after parturition. The animals were undernourished and suffered from lack of litter. Hemoglobin content and red blood corpuscles decreased during the period of investigation both in the pregnant cows and in the controls. It is assumed that when low hemoglobin content and low amounts of red blood corpuscles are found in cattle, it may be concluded that rearing took place under undesirable conditions. 6 Figures, 10 Westinghouse, 1 Czechoslovak, 1 East German.

HOJOVEC, Jiri
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: DVM

Affiliation: Division of Veterinary Rentgenology, Department of Surgery Orthopedics and
Rentgenology, Faculty of Veterinary Medicine, Veterinary University
(Oddeleni veterinarni rentgenologie katedry chirurgie, ortopedie a rentgenologie
Veterinarni fakulty VSZ) Brno
CSAVZ

Source: Prague, Sbornik Veterinarni Medicine, Vol 6(34), No 7, July 61; pp 513-516

Data: "Rentgenologic Aspects of Latent Rhinitis Atrophica Suum"

CZECHOSLOVAKIA

6PO 981643
6PD 981643

HOJOVEC, V.

Conform transfer of one ellipsoid to another under the condition of a minimal length deformation. p.67.

(Geodeticky A Kartograficky Obzor, Vol. 3, No. 4, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOJOVEC, V.; MALY, J.

Reconstruction of a lost trigonometrical point. p. 103. (GEODETICKY A
KARTOGRAFICKY OBZOR, Vol. 3, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOJOVEC, V.

"Transformation of the Gauss coordinates between adjacent three and six grade zones by means of eliminating geographic coordinates."

p. 164 (Department of Cartography, Czechoslovak Academy of Sciences) Vol. 11, no. 4, 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. no. 5, May 1958

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOJOVEC, Vlad., inz.; MALÝ, Jíří, inz.; PROFELD, Evžen, inz.

Simplified computation of the profile for determining the television beam visibility. Sdel tech 9 no.11:428-430 N '61.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

L 1042-66

ACCESSION NR: AP5025950

CZ/0024/65/011/004/0080/0086

AUTHOR: Hojovsc, Vladislav (Engineer, Candidate of sciences)

TITLE: Mechanization of the technique of calculation of tabulation work

SOURCE: Geodeticky a kartograficky obzor, v. 11, no. 4, 1965, 90-96

TOPIC TAGS: calculation, data processing equipment, interpolation, punched card

ABSTRACT: The article presents a general plan for interpolation of a function of a single variable using punched-card equipment. The selection of the interpolation formula is described and an economic analysis is made. Orig. art. has: 4 figures, 2 formulas, 3 graphs and 7 tables.

ASSOCIATION: Katedra mapovani a kartografie FS CVUT, Prague (Department of Mapping and Cartography, FS, CVUT)

44,55

SUBMITTED: 00

ENCL: 00

SUB CODE: DP, MA

NR REF Sov: 000

OTHER: 004

JPRS

Card 1/1

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOJOVEC, Vladislav, inz., ScC.

Mechanization of the map image transformation. Geod kart
obzor 9 no. 5: 142 My '63.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOJOVEC, Vladislav, inz., CSc.

Mechanization in transforming the map image. Geod kart obzor
9 no.8:217-219 Ag '63.

1. Fakulta stvěbní, České vysoké učení technické, Praha.

L 31714-66 - GW

ACC NR: AP6021185

SOURCE CODE: CZ/0023/66/010/001/0024/0037

AUTHOR: Hojovec, Vladislav

30

B

ORG: Department of Mapping and Cartography, Building Faculty, Institute of Technology, Prague

TITLE: Use of automatic computers in determining suitable variants of cartographic projections |2

SOURCE: Studia geophysica et geodaetica, v. 10, no. 1, 1966, 24-37

TOPIC TAGS: computer application, cartography, projective geometry

ABSTRACT: The article points out the possibility of using automatic computers in solving projections by the difference grid method which, due to the influence of the development of computational techniques, has recently been paid considerable attention. The general theory of projections of Soviet authors is used to develop orthogonal equivalent projections under some limiting conditions, making it easier to perform direct integration and to obtain a concrete form of the basic projection equations. Orig. art. has: 10 figures, 24 formulas and 2 tables. [JPRS]

SUB CODE: 08, 09 / SUBM DATE: 05Oct64 / ORIG REF: 007 / OTH REF: 001
SOV REF: 005

Card 1/180

10/15 10/26

1. "Case of the 'Castrated' Convict" (Alice Karpovitch, "Convict," *Prisoner Magazine*, 1985/7; pp. 122-142).
2. "Rehabilitative Treatment of Severe Hyperactivity in Children" (Peter Baum, *Journal of Educational Psychology*, 1979, 71, pp. 121-142).
3. "Violent and Delinquent Behavior: Assessing Personal Insufficiency" (Alan C. Hardy, *Journal of Crime and Justice*, 1981, 1, pp. 1-18).
4. "Predicting Criminal Activity: Cognitive Processing" (Steve Ellingson, *Crime and Justice*, 1981, 3, pp. 1-22).
5. "Cognitive Processing with Delinquent and Non-Delinquent Adolescents" (P. S. Gumpert, *Journal of Crime and Justice*, 1981, 3, pp. 12-32).
6. "Case of Severe Malnutrition Due to Brain Injury" (Ivan Tikhonov, *Prisoner Magazine*, 1985/7, pp. 15-17).
7. "Case of Severe Spinales Encephalitis" (V. V. Karpovitch, "Convict," *Prisoner Magazine*, 1985/7, pp. 12-14).
8. "Case of Severe Spinales Encephalitis" (V. V. Karpovitch, "Prisoner Magazine," 1985/7, pp. 12-14).
9. "Ten Years Experience with Psychotic Treatment of Schizophrenic Patients in Our Hospital" (V. V. Karpovitch, "Prisoner Magazine," 1985/7, pp. 12-14).

— 1/1 —

HOJZAK, Gabriel

Evaluation of the Czechoslovak semiparaffin crude oil. Ropa a
uhlie 5 no.4:107-109 Ap '63.

1. Slovnaft, n.p., Bratislava.

KOTASEK, Alfred, prof., DrSc.; HOKECEK, Vladimir, CSc.; BRESTAK, Miroslav; SUK, Karel

Inactivation of antidiuretic hormone in pregnancy. Cesk. gynek. 27 no.1/2:80-82 Mr '62.

1. I gyn, por. klin. KU v Praze, prednosta prof. MUDr. Karel Klaus, DrSc. III int. klin. KU v Praze, laborator pro endokrinologii a metabolismus, prednosta akademik Josef Charvat.

(PREGNANCY TOXEMIAS physiol)
(PREGNANCY physiol)
(VASOPRESSIN physiol)

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

Hokes, A.

Standardization in the field of steel structures. p. 116.
INZENYRSKE STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 2,
no. 3, Mar. 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618110008-6"

Hokes, A.

Proposal of new shapes for I and U steels. p. 238. Marking
lathing tools with metric tapers. p. 239. NORMALISACE. (Urad
pro normalisaci) Praha. Vol. 3, no. 11, Nov. 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

HOKES, A.

Suspension bridge reinforced by cable trusses. p.261.
(INZENYRSKE STAVBY, vol. 3, no. 6, June 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC. Vol. 4, No. 11,
Nov. 1955, Uncl.

HOKES, A.

Calculation of welded joints in international standardization.
p. 199. ZVARANIE. (Ministerstvo hutneho prumyslu a rudnych tani
a Ministerstvo stojarstva) Bratislava. Vol. 5, No. 6, June 1956.

SOURCE: East European Accessions List, (EEAL).
Library of Congress. Vol. 5, No. 12,
December 1956.

HOKES, A.

CSN 730907 tolerances for steel structures and CSN 730908 tolerances for boring, riveting, and assembling steel structures. p.135.
(Normalisace, Vol. 6, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HOKES, A.

Estimating fillet-welds on plate girders of crane runways.

P. 161 (Zvaranie) Vol. 6, No. 6, June 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

HOKES, E.

"Czechoslovak power engineering at the Brussels World Exhibition."

p. 137 (Energetika, Vol. 8, no. 4, Apr. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOKES, E.S., inz.

Industrial television and dispatching system. Energetika
Cz ll no.4:193 Ap '61.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOKES, E.

"Youth and Strength of Great Perspectives", P. 10, (TECHNICKE NOVINY,
Vol. 2, No. 9, May 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

HOKES, E.

"It Is Necessary to Pay Attention to Adjusters", P. 2, (TECHNICKÉ NOVINY,
Vol. 2, No. 10, May 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

KHOKESH, E.S. [Hokes, E.S.] (Praga, Chekhoslovakiya)

Plant kingdom of the High Tatra. Pziroda 50 no.9:103-104
S '61. (MIRA 14:8)
(Tatra Mountains--Alpine flora)

HOKES, E.S.

Natural gas and Czechoslovak power engineering. Ropa a uhlí 5
no.4:117-118 Ap '63.

1. Vyskumy ustav energeticky.

HOKES, Jaromir, inz.

A quick design of a position servomechanism with a viscous damping by the tachogenerator. Zpravodaj VZLU 2:31-34 '64.

HOKL, J.

ca

Detection of yperite. J. HOKL and V. Kralovecky, Chem. Obzor 12, 134 (1937). The Mayer reagent (3 cc.) mixed with 3 cc. of a 60% EtOH soln. contg. Cl₃PtCl₆ produces a pale yellow ppt. with concd. solns. of yperite and a turbidity with dil. solns.; 0.08 g. of yperite in a l. of EtOH can be detected. The Mayer reagent contains HgCl₂ 1.35 g. and KI 5 g. per 100 cc. of water. The Dragendorff reagent (3 cc.) mixed with 3 cc. of a 60% EtOH contg. Cl₃PtCl₆ produces a red-brown ppt. with concd. solns. of yperite and a turbidity with dil. solns.; 0.13 g. of yperite in a l. of EtOH can be detected. The Dragendorff reagent contains (a) 8 g. of basic Pt nitrate dissolved in 20 cc. of 30% HNO₃ and (b) 27 g. of KI dissolved in a small vol. of water; the KI soln. is poured into the Pt soln., and is add. to 100 cc. with water. Neither reagent is specific for yperite for it reacts with alkaloids and with alc. exts. of meat. The Dragendorff reagent approaches the Grignard reagent in sensitivity; the latter reagent detects 0.08 g. of yperite in 1 l. of EtOH.

Frank Maresch

7

HOKL, J.

CA

27

PURCHASES AND PROPERTIES
OF THE UNITED STATES GOVERNMENT
BY THE SOVIET UNION

The preparation of free fat acids from fats, particularly from castor oil. Milosav Jakes and Jan Hock, Chem. Listy 43, 18-22 (1958). The usual methods for preparing fat acids with alc. KOH (Benedict-Ulmer, Knutt, Strauss) were not satisfactory when the oil contained hydroxy fat acids, and some of these hydroxy fat acids always formed when fats were saponified. Castor oil yielded more hydroxy fat acids than any other oil; the product consisted principally of ricinoleic acid which, upon analysis, gave a high esterification no. and a low acid no. The high esterification no. was caused by the union of the OH group of one mol. with (1) a COOH group of another mol. of ricinoleic acid forming ricinoleic-linoleic acid, (2) ricinoleic acid or even polyricinoleic acid, (3) a COOH group of another fat acid (stearic) forming stearylricinoleic acid, and (4) a COOH of the same mol. forming a lactone. The low acid no. was due to undecompl. saps and to the presence of H₂O. The following procedure gave free fat acids from castor oil: mix 10 g. of oil with 10 cc. of a 20% KOH soln. in a porcelaine dish until the emulsion is thick and will not form layers. Heat for 3 hrs. on a water bath to complete the emulsification. Dissolve the emulsion in 10 volumes of hot distd. H₂O (750 cc.), add quickly in a thin stream 50 cc. of HCl dilut. 1:1 with water, boil for 10 min., and devant the fat acids. Wash the fat acids 4 or 5 times with 5-10 vols. of H₂O or until the washings do not contain inorg. acids detectable with methyl orange. Fat acids prep'd. in this manner contained less than 0.05% ash and were used directly for acetylation. Frank Marsh

ADM-1A METALLURGICAL LITERATURE CLASSIFICATION

HOKL, JAN

Hokl, Jan. "Hygiena potravin, Jan Hokl (a) Miroslav Doles. (Vyd. 1.) Praha,
Statni pedagogicke nakl., 1953 p. 197. (Ucebni texty vysockych skol) (Food Hygiene)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L. C. Vol. 3 No. 1 Jan. '54 Uncl.

HOKL, JAN.

Hygiena mleka. (1. vyd.) Praha, Československá akademie zemědělských věd, 1956.
318 p. (Milk hygiene. 1st ed.) DA Not in DLC

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

CH HOKR, J.

10

Alkyl ethers of cyclohexanone oxime. M. Hudlický and J. Hokr. (Tech. Univ., Prague). *Collection Czechoslov. Chem. Commun.*, 14, 601-3 (1949) (in English).—
Cyclohexanone oxime (I) may be easily alkylated to give alkyl ethers (II) which are colorless liquids of terpenelike odor, stable to 10% oleum at temps. to 40°; at 80° they form α -caprolactam. II were prep'd. by adding 2 mols. dialkyl sulfate to 220 g. I in 500 g. hot 20% NaOH, heating on a steam bath 0.5 hr., cooling, extg. with Et_2O , washing the ext. with NaHSO_3 and H_2O , drying over Na_2SO_4 , and distg. II prep'd. in this way were: *Ms* (37% yield), n_{D}^{20} 1.5°, b_1 51.5°, d_1^{20} 0.9477, n_{D}^{20} 1.4631; 1.46006, 1.47310, and 1.47387 for the C, D, E, and G

lines, resp., and *Et* (32.5%), b_1 00.1°, b_1 64°, b_1 70°, d_1^{20} 0.9273, n_{D}^{20} 1.46043, 1.46327, 1.47033, and 1.47069 for the C, D, E, and G lines, resp. The *allyl ether* (III), *bo* 90°, d_1^{20} 0.9521, n_{D}^{20} 1.4817, was prep'd. in 110 g. (130%) yield by adding 230 g. I in an aq. soln. of 104 g. KOH to 230 g. $\text{CH}_2\text{ClCH}_2\text{Br}$, heating on a steam bath with occasional shaking, cooling, dilg. with H_2O , extg. with Et_2O , drying the ext. over Na_2SO_4 , and distg.—II (1 part in 6°) was added to 10% oleum (2 parts in ml.) with cooling below 40°, one-eighth of the soln. heated to 80° (a violent reaction occurred), the product heated to 120°, and the rest of the mixt. added slowly; after the reaction had subsided, the mixt. was poured onto ice, neutralized with $(\text{NH}_4)_2\text{CO}_3$, and extd. with Et_2O , approx. 20% α -caprolactam, *m.p.* 68° (from ligroin), being obtained from the ext.

E. U. Eliel

HOKR, Z.

"The Pleistocene mammals in the Sloupova Cave at Karlstejn, Bohemia" p. 9
(Anthropozoikum, Vol. 1, 1951, Praha)

SO: Monthly List of Museum Accessions, Library of Congress, Vol. 3, No. 3, March 1953, Uncl.
4

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOKR, Zdenek, RNDr., kandidat geologicko-mineralogickych ved
Considering the economic limits of geologic prospecting.
Geol pruzkum 7 no.2:33-36 F '65.
1. Central Geological Institute, Prague.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOLA, Jerzy, mgr inz.

Economic consequences of adding stones from the washer
to liquid fillings in the X mine. Przegl gorn 19 no.6:
261-263 Je '63.

HOLAK, MICHAL

HAYDON, Boleslaw; HOIAC, Michal; PYTEL, Marian

Problem of chronic tetanus based on a case under observation. Pediat.
polska 32 no.6:700-704 June 57

L. Z Ambulatorium Pediatrycznego i Oddzialu Chirurgii Urazowej 4
Wojskowego Szpitala Okregowego we Wroclawiu Komendant Szpitala: dr
med A Leszczynski Ordynator Oddzialu Noworodkow: lek M Haydon Ordynator
Oddz. Chirurgii Urazowej: lek M. Holak. Adres: Wroclaw 5, ul Chorowska
59/6.

(TETANUS, in inf. & child
case report (Pol))

HOLAK, Michal; SIDORSKI, Tadeusz; BILINSKI, Zbigniew

Cervico-trochanteric fractures of the femur according to own ma-
terial. Chir.narz.ruchu ortop.polska 25 no.1:49-53 '60.

1. Z Oddzialu Chirurgii Urazowej 4 Wojskowego Szpitala Okregowego
we Wroclawiu. Ordynator: dr. M. Holak.
(FEMUR NECK fract & disloc.)

BILINSKI, Z.; HOLAK, M.; NADOLSKI, Z.; OGIELSKI, W.

Treatment of delayed union and pseudarthrosis of the long bone with
the use of dermatoplasty. Chir. narz. ruchu ortop. polska 26 no.5:
593-596 '61.

l. z Oddzialu Chirurgii Urazowej Wojskowego Szpitala Okregowego we
Wroclawiu.

(FRACTURES UNUNITED surg) (PSEUDARTHROSIS surg)
(SKIN TRANSPLANTATION)

HOLAK, Michal; OGIELSKI, Waclaw

Evaluation and results of the treatment of post-traumatic lesions of long bone shafts. Chir. narzad. ruchu ortop. pol. 27 no.4:473-478 '62.

1. Z Oddzialu Chirurgii Urazowej Szpitala Okregowego we Wroclawiu
Ordynator: dr M. Holak.
(FRACTURES) (BONE DISEASES)

HOLAK, Michael

Tuberculosis tenosynovitis of the wrist and hand. Chir. narzad.
ruchu ortop. Pol. 29 no.4:509-512 '64.

I. Z Oddzialu Chirurgii Urazowej Okregowego Szpitala Wojskowego
we Wrocławiu (Ordinary: dr med. M. Holak).

HOLAK, Michal, plk.lek.;OGIELSKI, Waclaw; ZAWADZKA, Krystyna

Some automobile injuries to drivers and passengers due to fast
stopping. Chir. naizad. ruchu ortop. Pol. 30 no.2:113-118 '65

l. z Oddzialu Chirurgii Urazowej 4 Okregowego Szpitala Wojsko-
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Uncl.

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551 p. Translated from the Rumanian. (MIRA 15:4)
(Rumania--Economic geography)

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CIA-RDP86-00513R000618110008-6

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APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

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Kunstadt a z Chirurgickej kliniky LFSU v Kosiciach, prednosta prof.
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(BREAST, neoplasms,
*ther.)

HOLAN, Jiri, promovany fyzik

Simple electronic instruments for the positive photographic
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1. Radiologische Klinik, Kosice.
(RADIOTHERAPY, appar. and instruments
applicator for cervical cancer ther.)
(CERVIX NEOPLASMS, ther.
radiother., use of special applicator)

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1. Ocna klinika LFUK v Kosiciach, prednosta prof. Dr Pajtas Radiologicka
klinika LFUK v Kosiciach, prednosta doc. Dr Kunstadt.

(SCLERA, dis.

scleritis, pathogen. & contact x-ray ther. (Cn))

(RADIOTHERAPY, in various dis.

scleritis (Cn))

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1. Onkologické oddělení nemocnice Ohyňovice naševá zárodního
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"APPROVED FOR RELEASE: 09/21/2001

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Reactive component parts for microminiaturization. Sdel tech 9 no.11:
405-408 N '61.

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Rototrol, principle and application. p. 394. ELEKTROTECHNICKY OBZOR.
(Ministerstvo strojirenstvi a Ministerstvo paliv a energetiky) Praha.
Vol. 43, no. 8, Aug. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

621 313 226 - 621 3 6 7072
 3019 Time factors of rotary regulators provided
 with several field windings. J. HOLAN. Elektrotech.
 Odzor 43, No. 4, 41-19, 1971 [JULY] in Czech.

An examination of the time progress of current, reaching its final value in an inductive circuit only gradually, is followed by showing a set of field coils as being connected and eventually closed by a switch. The effect of this is to start the momentum build-up of the magnetic field. This can now be observed in the form of a series of pulses of current in the primary coil.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

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Planning the horizontal location of metallurgic and machinery plants as part
of a general plan. p. 150.

Cathode protection against corrosion. p. 158.

Vol. 3, no. 4, Apr. 1956

TECHNICKA PRACA

Bratislava, Czechoslovakia

Source: East European Accession List. Library of Congress

Vol. 5, No. 8, August 1956

Holan, J.

Connecting the load-measuring dynamo or dynamometer to test
(brake) electric, combustion, or other motors for required load
capacity. p. 200. ELEKTROTECHNIK. (Ministerstvo strojirenstvi)
Praha. Vol. 11, no. 6, June 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

HOLAN, J.

Calculation of the transient phenomena in direct-current devices. p. 163. ELEKTROTECHNICKY OBZOR. (Ministerstvo strojirenstvi a Ministerstvo paliv a energetiky) Praha. Vol. 45, No. 4, Apr. 1956

SOURCES: EEAL - LC Vol 5, No. 10 Oct. 1956

HOLAN, J.

HOLAN, J. Determination of the transmission function of a direct current drive for a hoisting machine with a rotating governor on the base of a block diagram. p. 29.

Vol. 46, no. 1, Jan. 1957
ELEKTROTECHNICKY OBZOR
TECHNOLOGY
Czechoslovakia

Se: East European Accession, Vol. 6, No. 5, May 1957

Z/017/60/049/011/001/013
E073/E535

AUTHOR: Holan, Josef, Engineer

TITLE: Control of the Drives of Continuous Strip Mills

PERIODICAL: Elektrotechnicky obzor, 1960, Vol. 49, No. 11, p. Z39

TEXT: This is an annotation of the research report VUSE-Z 624, 109 pages, 87 figures, 3 tables and 4 photographs.

In continuous hot strip mills it is essential to control the speed of the rolls in the individual stands in such a way that on the one hand no loops of excessive dimensions form and, on the other hand, that there are no inadmissible tensile stresses in the strip which may lead to tears. Two alternatives for solving the speed control of the finishing section of the continuous mill have been designed and investigated by means of an analogue computer. On the basis of a number of oscillograms recorded during the measurements by means of the analogue computer and by means of the drive of one rolling stand, the transient states of the drive were studied on a test-rig and suitable circuit parameters were sought. In the appendices a detailed description is given of the behaviour of a d.c. motor with external excitation in the case of sudden

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Z/017/60/049/011/001/013
E073/E535

Control of the Drives of Continuous Strip Mills

loading and also descriptions of the mechanical integrating member,
special applications of the Schur stability criterion and of a
compensation method for measuring the r.p.m.

Card 2/2

88229

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Z/017/60/049/012/003/003
E073/E535AUTHOR: Holan, Josef, Engineer, Candidate of Technical Sciences

TITLE: Solution of the Motion Equations by Means of an Analogue Computer

PERIODICAL: Elektrotechnický obzor, 1960, Vol.49, No.12, pp.644-647

TEXT: The author presents a method of numerical calculation of a rectilinear movement by means of an analogue computer for cases in which the acceleration as a function of the distance of travel is known. In the case of rectilinear motion, the distance of travel x , the speed v and acceleration a are inter-related as follows:

$$v = \frac{dx}{dt} \quad (1) \quad \checkmark$$

$$a = \frac{dv}{dt} = \frac{d^2x}{dt^2} \quad (2)$$

If some of these quantities as a function of time and the boundary (initial) conditions are known, the remaining values can be

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E073/E535

Solution of the Motion Equations by Means of an Analogue Computer
calculated by integration or derivation.

$$x = \int v dt + C_x \quad (3)$$

$$v = \int a dt + C_v \quad (4)$$

In some cases the distance of travel x is known and also the acceleration as a function of the distance of travel $a = a(x)$ and the time is sought during which this distance could be travelled with the given acceleration or the time as a function of the distance. As long as acceleration as a function of distance of travel remains unchanged, $a(x) = \text{const}$, its dependence on time will also remain constant and the solution is reduced to the simple form in which acceleration is a known function of time. The simplest case is considered in which the linear change in acceleration as a function of the distance of travel can be expressed by

$$a = a_0 + kx \quad (5)$$

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Solution of the Motion Equations by Means of an Analogue Computer

in which case

$$a = \frac{dv}{dt} = \frac{dv}{dx} \frac{dx}{dt} = v \frac{dv}{dx} \quad (6)$$

This differential equation can be solved by separating the constants and for linear acceleration we obtain

$$v = \sqrt{kx^2 + 2 a_0 x + v_0^2} \quad (9)$$

In this case the time can be expressed by

$$t = \int \frac{dx}{\sqrt{kx^2 + 2 a_0 x + v_0^2}} + C_2 \quad (11) \quad \checkmark$$

The solution of this integral is known and the constant C_2 is determined from the condition that movement begins at $x = 0$ at a time $t = 0$ and we obtain

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EO73/E535

Solution of the Motion Equations by Means of an Analogue Computer

$$t = \frac{1}{\sqrt{k}} \lg \frac{1 + \frac{kx}{a_0} + \sqrt{\left(\frac{kx}{a_0}\right)^2 + 2 \frac{kx}{a_0} + k \left(\frac{v_0}{a_0}\right)^2}}{1 + \sqrt{k \left(\frac{v_0}{a_0}\right)^2}} \quad (12)$$

In the case of $a = a(x)$ being a nonlinear function, the solution is more complicated and, therefore, the general characteristic $a(x)$ is substituted by linear approximation in sections and the time is calculated separately for each of the sections. In some cases it is necessary to determine the distance of travel x , the speed v and the acceleration a as a function of time for a given dependence of the acceleration on the distance of travel. In this case the dependence $x = x(t)$ is determined on the basis of Eq.(12) for a linear function $a(x)$ using Eq.(5). By derivation of Eqs. (1) and (2) we obtain $v(t)$ and $a(t)$ and eliminating

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E073/E535

Solution of the Motion Equations by Means of an Analogue Computer

 $x = x(t)$ by means of Eq.(12) we obtain

$$x = \frac{a_0}{k} \left(\cosh \sqrt{k}t + \sqrt{k} \frac{v_0}{a_0} \sinh \sqrt{k}t - 1 \right) \quad (13)$$

the derivation of which yields

$$v = \frac{dx}{dt} = \frac{a_0}{\sqrt{k}} \left(\sinh \sqrt{k}t + \sqrt{k} \frac{v_0}{a_0} \cosh \sqrt{k}t \right) \quad (14)$$

and, finally

$$a = a_0 \left(\cosh \sqrt{k}t + \sqrt{k} \frac{v_0}{a_0} \sinh \sqrt{k}t \right) \quad (15)$$

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Z/017/60/049/012/003/003
E073/E535**Solution of the Motion Equations by Means of an Analogue Computer**

Eqs.(13) and (15) indicate that for any instant of time Eq.(5) remains valid. The solution is considerably simplified by using analogue computers. In this case the solution is obtained from the basic differential equations (1) and (2) and from the given dependence $a = a(x)$. These equations are solved so as to obtain the individual variables as a function of time. If the total time is to be determined which is required for a given distance of travel, the solution is stopped at the instant of time when the given value has been reached and then the time is read off which is required for reaching this value. For this purpose it is more convenient to write Eqs. (1) and (2) in the form

$$a = pv; \quad v = px; \quad a = a(x) \quad (16)$$

using the operator

$$\frac{d}{dt} = p; \quad \left(\int dt = \frac{1}{p} \right)$$

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E073/E535

Solution of the Motion Equations by Means of an Analogue Computer

By means of two integrators and one function generator it is possible to compile the block schematics, Fig.1, which serves as a basis for a machine circuit and for solving the given problem on an analogue computer for a concrete function $a(x)$. The Czech produced computer MEDA enables stopping the solution of a problem at any given instant of time; if the variable x reaches a specified value, a sensitive relay responds and stops the solution, stopping also an electric stopwatch, which indicates directly the duration of the solution. Alternatively, the time can be determined by means of a separate integrator, to the input of which a constant input value is fed, its output will then be directly proportional with time. The use of this method is illustrated by a numerical example of the movement of switching contacts, for which the acceleration as a function of the distance of travel is expressed by a curve, which in the calculations is approximated by two straight line sections. The connection of the computer for this task is that illustrated by Fig.3, whereby the basic integral has the transfer coefficient 4/P. By means of the nonlinearities of

X

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E073/E535

Solution of the Motion Equations by Means of an Analogue Computer

the analogue computer a circuit can be easily designed for controlling the coil of the polarized relay which stops the solution at the instant when the variable reaches the pre-determined value. It is stated in the conclusions that by means of analogue computers the calculation of the motion equations can be considerably simplified. If acceleration is given as a nonlinear function of the distance of travel, this relation can be substituted by a certain number of linear sections, for the solution of which an analogue computer can be used. It would be possible to include also a generator of the function $a = a(x)$ and thus improve the accuracy of the obtained solution. There are 9 figures and 3 references: 1 Czech, 2 Soviet. X

ASSOCIATION: Státní výzkumný ústav silnoproudé elektrotechniky
(State Research Institute for Heavy Current
Electrical Engineering)

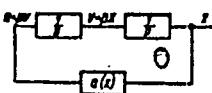
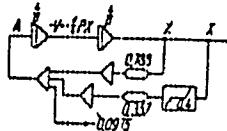
SUBMITTED: May 21, 1960

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E073/E535

Solution of the Motion Equations by Means of an Analogue Computer

Fig.1Obr. 1. Blokové schéma řešení po-
hybových rovnic.Fig.3Obr. 3. Strojové schéma zapojení po řešení pohybových rovnic
na analogovém počítači MEDA. Základní integrál má pfe-
nos $\frac{d}{P}$.

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"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOLAN, Josef, doc., inz., kandidat technickych ved

Analogue model of the automatic speed control of asynchronous motors.
El tech obzor 51 no.12:626-633 D '62.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOLAN, J., doc.

"Problems of the theory of networks with variable parameters
with regard to the use of pulse and digital regulators" by
W.A. Taft. Reviewed by J. Holan. El tech obzor 52 no.4:218
Ap '63.

"APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6

HOLAN, J., doc.

"Digital signal processing in control engineering." Reviewed
by J. Holan. El tech obzor 52 no.4:218 Ap '63.

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110008-6"

HOLAN, Josef, doc., inz., CSc.

"Rotary electric machines" by K. Dusek, J., Micka, B. Postisil.
Reviewed by Josef Holan. Automatizace 6 no.10:Supplement:
Technicka literatura insert O '63.

HOLAN, J., doc.

"Mathematical modeling of electric systems" by D.I.Azarjev
[Azar'ev, D.I.]. Reviewed by J. Holan. El tech obzor 52 no.
12:689 D '63.

BIRINGER,A.; HOLAN,J.; MEDLA,F.

Our experiences with cytostatic perfusions of the extremities
in the treatment of malignant tumors. Neoplasma (British.)
11 nr.6:643-648 '64

1. Chair of Surgery of the Slovak Postgraduate Medical Institute:
Oncological Clinic of Medical Faculty, Martin, Czechoslovakia.

HOLAN, Josef, doc., inz., CSc.

"Rotary electric machines" by K.Dusek, J.Micka, B.Pospisil.
Reviewed by Josef Holan. Automatizace 6 no.10:Suppl.:Technicka
literatura; insert O '63.

HOLAN J.

5386* Production of Ferrochromium and its Impurities
Výroba ferrochrómu a jeho význam. (Slovak) Juraj Holan
Harrach 13 no. 8, Aug. 1975 p. 237-241

Description and analysis of various types according to Soviet Union State standards (GOST) and power consumption. Shift of production in the Soviet Union, Czechoslovakia and the West. Tables, diagrams. 7 ref.

44

25(5)

PHASE I BOOK EXPLOITATION

SLOV/2519

Holan, Juraj

Odpadové produkty v hutníctve; ich doprava, skladovanie a zuzitkovanie
(Waste Products in Metallurgy; Transportation, Storage and Utilization)
Bratislava, S.V.T.L., 1958. 183 p. 1,200 copies printed.

Reviewer: Jozef Sedláček, Engineer; Ed.: Michal Zahorsky; Managing Ed.
for Metallurgical Literature: Pavol Holečzy (Chief Ed.), Engineer.

PURPOSE: The book is intended for workers in metallurgical plants and planning
institutes.

COVERAGE: The book deals with the properties, transportation, dumping, processing,
and utilization of waste products in metallurgical plants. The utilization
of waste products as a factor contributing to more efficient plant operation
is discussed. No personalities are mentioned. There are 72 references: 31
Soviet, 19 Czech, 15 German, 4 English, 2 Slovak, and 1 Polish.

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12-19-59

HOLAN, K.

"Increasing the output of oil engines by supercharging."

p. 22 (Czechoslovak Heavy Industry) No. 1, 1958
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no.4,
April 1958

Holan, K.

"A new series of the Slavia motors.

p. 11 (Automobil, Vol. 2, no. 1, Jan. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, VOL. 7, No. 6, June 1958

KOLAN, I.

KOLAN, I. Discussion on the organization of the administrative activities of research institutes. p. 474.

Vol. 5, No. 10, Oct. 1955.
ZA SOCIALISTICKOU VEDU A TECHNIKU
TECHNICKY
Praha, Czechoslovakia

So: East European Association, Vol. 5, No. 5, May 1956

HOLAN, O.

"Lifetime of Bearings Has Been Lengthened", P. 6, (TECHNICKE NOVINY, Vol. 2, No. 8, Apr. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Unclassified.

HOLAN, T.

Groups for structural design in buildings and assembling enterprises.
p. 323

STAVEA. (Povolenie stavebnictva) Bratislava, Czechoslovakia, Vol.
6, no. 11, Nov. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1,
Jan, 1960

Uncl.

GLIGORE, V.; GOZARIU, L.; GHERMAN, Gr.; LUCACIU, O.; HOLAN, T.; SZANTAY, L.;
FARCASAN, M.

Changes in the function of hepato-cellular uptake of S-35 labelled
methionine in patients with hyperfolliculinism. Stud. cercet. endocr.
14 no.2:264-266 '63.

(ESTROGENS) (LIVER) (METHIONINE) (METABOLISM)
(SULFUR ISOTOPES) (LIVER FUNCTION TESTS)

HOLAN, T.

RUMANIA

POP, S., Lecturer; HOLAN, T., Lecturer; CIOCANELEA, V., Professor;
POGINGEANU, P.; URAY, Z.; KORY, M.; BAN, I.

Laboratory of Pharmacodynamics, Nuclear Medicine, Galenic
Pharmacy, Institute of Medicine and Pharmacy, Cluj.
(Laboratorul de farmacodinamie, Medicina nucleara,
Farmacie galenica, I.M.F. Cluj) - (for all)

Bucharest, Farmacia, No 4, Apr 63, pp 203-207.

"Absorption of Labelled Sodium Iodide (I^{131}) Via the
Rectal Mucosa."

(7)

HUNGARY

HOLAN, Tiberiu, Dr, MICLUTEA, Marcel, Dr; The Medical and Pharmaceutical Institute of Cluj-Kolozsvár (Cluj-kolozsvári Orvosi és Gyógyszerészeti Intézet) (rector: MOCA, A., professor, academician) Nuclear Medical Department (Nuklearis Orvosi Osztály) (chief: HOLAN, T., Dr, candidate) Roumanian People's Republic.

"The Diagnosis of Breast Cancer by Means of Radioactive Phosphorus."

Budapest, Magyar Radiologia, Vol XV, No 2, Apr 63, pages 101-105.

Abstract: [Authors' English summary modified] Radiation measurements were made 1-2-3 days after oral administration of 100 micro-curies of P32. Higher than 40 per cent accumulation of the isotope was indicative in general of a malignant tumor, lower values were present in benign tumors according to the authors. The observation was confirmed by histological examination in two third of the cases. The rate of accumulation was also higher in the malignant tumors. The method is recommended for the determination of the most favorable time for X-ray therapy. 6 Western, 6 Eastern European references.

b1/b2

FODOR, O., prof.; SURIANU, P., dr.; TRAGOR, S., dr.; COTUL, S., dr.;
SZANTAY, I., dr.; HOLAN, T., dr.; FARCASAN, M., dr.

Further clinical and biochemical verifications of the therapeutic
action of aspartic acid in chronic hepatitis. Med. intern. 15
no.4:463-472 Ap '63.

1. Lucrare efectuata in Clinica a III-a medicala, Cluj (director:
prof. O. Fodor).

(HEPATITIS) (ASPARTIC ACID)
(ASPARAGINE) (DIURESIS)
(BLOOD PROTEINS) (ALANINE AMINOTRANSFERASE)